

## Claims

1. An encryption device for encrypting information on a confidential target, comprising:

creation means for creating a unique parameter of an element group based on a signal output from the element group internally having a plurality of elements as a unit; and

encryption means for encrypting the information by using the unique parameter created by the creation means.

2. The encryption device according to claim 1, wherein

the creation means comprises storage means for storing a plurality of different evaluation patterns, and creates a combination of correlation values between the signal and the evaluation patterns being stored in the storage means, as the unique parameter.

3. The encryption device according to claim 2, comprising

communication means for communicating with a prescribed communication party, wherein

the creation means selects evaluation patterns requested by the communication party, from the evaluation patterns being stored in the storage means, and creates a combination of correlation values between the signal and the evaluation patterns selected, as the unique parameter.

4. The encryption device according to claim 1, comprising solid imaging element for imaging a prescribed imaging target, wherein

the creation means creates the unique parameter of the solid imaging element based on a signal output from the solid imaging element as a result of imaging the uniform imaging target.

5. The encryption device according to claim 1, comprising a solid imaging element for imaging a prescribed imaging target, wherein:

the creation means comprises:

parameter creation means for creating the unique parameter of the solid imaging element based on a signal output from the solid imaging element as a result of imaging the uniform imaging target; and

body information creation means for creating body information unique to a body based on a signal output from the solid imaging element as a result of imaging a surface of the body or an inside of the body; and

the encryption means encrypts the body information created by the body information creation means by using the unique parameter created by the parameter creation means.

6. An encryption method for encrypting information on a confidential target, comprising:

a first step of creating a unique parameter of an element group based on a signal output from the element group internally having a plurality of elements as a unit; and

a second step of encrypting the information by using the unique parameter created.

7. The encryption method according to claim 6, wherein the first step creates a combination of correlation values between the signal and a plurality of different evaluation patterns, as the unique parameter.

8. The encryption method according to claim 7, wherein, the first step selects evaluation patterns meeting to a request made from a prescribed communication party, from the evaluation patterns and creates a combination of correlation values between the signal and the evaluation patterns selected as the unique parameter.

9. The encryption method according to claim 6, wherein the first step creates the unique parameter of the solid imaging element based on a signal output from the solid imaging element as a result of imaging a uniform imaging target.

10. The encryption method according to claim 6, wherein: the first step comprises:

a parameter creation step of creating the unique parameter of a solid imaging element based on a signal output from the solid imaging element as a result of imaging a uniform imaging target; and

a body information creation step of creating body information unique to the body based on a signal output from the solid imaging element as a result of imaging a surface of the body or an inside of the body; and

the second step encrypts the body information by using the unique parameter.